

5     **What is claimed:**

1.     A vacuum hose assembly comprising a vacuum conduit, said vacuum conduit having a vacuum source attached to a first end, and a second end being a suction end of the vacuum conduit, said second end having an indented portion which houses a liquid spray nozzle on an outside surface of said vacuum conduit.
2.     The assembly of claim 1, wherein said vacuum conduit comprises a tubular hose portion having a first circumference and a vacuum conduit bell shaped portion having a second circumference larger than said first circumference, said bell portion having an indented portion which houses said spray nozzle on an outside surface of said bell portion, said indented portion reducing an area of said second end.
3.     The assembly of claim 1, wherein said spray nozzle is selected from one of a pulse jet, a rotary jet, a jetter nozzle and a fixed spray jet.
4.     The assembly of claim 1, wherein said spray nozzle is housed within said indented portion with a nozzle orifice facing in the direction of a center of an area to be vacuumed.
5.     The assembly of claim 1, wherein said vacuum conduit comprises means to emulsify a complete area equal to or greater than the effective area or freeboard of said second end of said conduit.
- 25    6.     The assembly of claim 1, wherein two or more spray nozzles are housed within respective indentations on said vacuum conduit.

5        7. The assembly of claim 5, wherein said multiple nozzles are housed facing parallel with the central axis of said vacuum conduit.

8. The assembly of claim 5, wherein said multiple nozzles are housed facing in the direction of a center of an area to be vacuumed.

9. The assembly of claim 5, wherein said multiple nozzles are housed in 10 respective said indentions along the surface of said vacuum conduit, said nozzles arranged at a predetermined angle along said second circumference.

10. A vacuum hose assembly comprising a vacuum conduit having a vacuum source attached to a first end, and a second end being a suction end of the vacuum conduit, said first end having a predetermined circumference and said second end having an inward rolled edge with a second circumference smaller 15 than said first circumference.

11. A vacuum hose assembly comprising a vacuum conduit having a vacuum source attached to a first end, and a second end being a suction end of the vacuum conduit, and a spray nozzle hose connected to an aerodynamic support and a spray nozzle within the second end. 20

12. The assembly of claim 7, wherein said first end comprises a tubular portion having a first circumference and said second end comprises a vacuum conduit bell shaped portion having a second circumference larger than said first circumference.

25        13. The assembly of claim 8, wherein said aerodynamic support is mounted within said bell portion and supports said nozzle adjacent the open end of said vacuum conduit bell.